OIPE

#3

RAW SEQUENCE LISTING DATE: 12/17/2001 PATENT APPLICATION: US/09/825,886 TIME: 12:07:26

Input Set : N:\Crf3\RULE60\09825886.txt
Output Set: N:\CRF3\12172001\1825886.raw

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3 <110> APPLICANT: Hovanessian, Ara
           Callebaut, Christian
     5
             Krust, Bernard
             Jacotot, Etienne
     6
     7
             Muller, Sylviane
             Briand, Jean-Paul
     8
    C--> 17 <141> CURRENT FILING DATE: 2001-07-26
    19 <150> PRIOR APPLICATION NUMBER: 09/393,302
    20 <151> PRIOR FILING DATE: 1999-09-10
    22 <150> PRIOR APPLICATION NUMBER: PCT/EP98/01409
    23 <151> PRIOR FILING DATE: 1998-03-12
    25 <150> PRIOR APPLICATION NUMBER: 60/040,969
    26 <151> PRIOR FILING DATE: 1997-03-12
    28 <160> NUMBER OF SEQ ID NOS: 32
    30 <170> SOFTWARE: PatentIn Ver. 2.1
    32 <210> SEQ ID NO: 1
    33 <211> LENGTH: 30
    34 <212> TYPE: DNA
    35 <213> ORGANISM: Artificial Sequence
    37 <220> FEATURE:
    38 <223> OTHER INFORMATION: Description of Artificial Sequence: cDNA
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    43 <210> SEQ ID NO: 2
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    45 <212> TYPE: DNA
    46 <213> ORGANISM: Artificial Sequence
    48 <220> FEATURE:
    49 <223> OTHER INFORMATION: Description of Artificial Sequence: cDNA
    51 <400> SEQUENCE: 2
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    54 <210> SEQ ID NO: 3
    55 <211> LENGTH: 30
    56 <212> TYPE: DNA
    57 <213> ORGANISM: Artificial Sequence
    59 <220> FEATURE:
    60 <223> OTHER INFORMATION: Description of Artificial Sequence: cDNA
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    65 <210> SEQ ID NO: 4
    66 <211> LENGTH: 22
    67 <212> TYPE: DNA
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Input Set : N:\Crf3\RULE60\09825886.txt
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68 <213> ORGANISM: Artificial Sequence 70 <220> FEATURE: 71 <223> OTHER INFORMATION: Description of Artificial Sequence: primer 73 <400> SEQUENCE: 4 22 74 cttcgggtgt acgtgctccg gg 76 <210> SEQ ID NO: 5 77 <211> LENGTH: 22 78 <212> TYPE: DNA 79 <213> ORGANISM: Artificial Sequence 81 <220> FEATURE: 82 <223> OTHER INFORMATION: Description of Artificial Sequence: primer 84 <400> SEQUENCE: 5 22 85 cctgagtgac tttgtaaggg ag 87 <210> SEQ ID NO: 6 88 <211> LENGTH: 21 89 <212> TYPE: DNA 90 <213> ORGANISM: Artificial Sequence 92 <220> FEATURE: 93 <223> OTHER INFORMATION: Description of Artificial Sequence: primer 96 <400> SEQUENCE: 6 21 97 ccgccggcgc ggcagcctct g 99 <210> SEQ ID NO: 7 100 <211> LENGTH: 21 101 <212> TYPE: DNA 102 <213> ORGANISM: Artificial Sequence 104 <220> FEATURE: 105 <223> OTHER INFORMATION: Description of Artificial Sequence: primer 107 <400> SEQUENCE: 7 21 108 gtcatcatct tctccctcat c 110 <210> SEQ ID NO: 8 111 <211> LENGTH: 21 112 <212> TYPE: DNA 113 <213> ORGANISM: Artificial Sequence 115 <220> FEATURE: 116 <223> OTHER INFORMATION: Description of Artificial Sequence: primer 118 <400> SEQUENCE: 8 21 119 cgaccgcgga gcagcaccat g 121 <210> SEQ ID NO: 9 122 <211> LENGTH: 20 123 <212> TYPE: DNA 124 <213> ORGANISM: Artificial Sequence 126 <220> FEATURE: 127 <223> OTHER INFORMATION: Description of Artificial Sequence: primer 129 <400> SEQUENCE: 9 20 130 qqaaqqttqq aatccatcag 132 <210> SEO ID NO: 10 133 <211> LENGTH: 40 134 <212> TYPE: PRT

Input Set : N:\Crf3\RULE60\09825886.txt
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Input Set : N:\Crf3\RULE60\09825886.txt
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     238 1
     241 <210> SEQ ID NO: 20
     242 <211> LENGTH: 7
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     266 <212> TYPE: PRT
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273 274	Met	Ala	Pro	Pro 20	Pro	Lys	Glu	Val	Glu 25	Glu	Asp	Ser	Glu	Asp 30	Glu	Glu
276 277	Met	Ser	Glu 35	Asp	Glu	Glu	Asp	Asp 40	Ser	Ser	Gly	Glu	Glu 45	Val	Val	Ile
279 280	Pro	Gln 50	Lys	Lys	Gly	Lys	Lys 55	Ala	Ala	Ala	Thr	Ser 60	Ala	Lys	Lys	Val
282 283	Val 65	Val	Ser	Pro	Thr	Lys 70	Lys	Val	Ala	Val	Ala 75	Thr	Pro	Ala	Lys	Lys 80
285 286	Ala	Ala	Val	Thr	Pro 85	Gly	Lys	Lys	Ala	Ala 90	Ala	Thr	Pro	Ala	Lys 95	Lys
288 289	Thr	Val	Thr	Pro 100	Ala	Lys	Ala	Val	Thr 105	Thr	Pro	Gly	Lys	Lys 110	Gly	Ala
291 292	Thr	Pro	Gly 115	Lys	Ala	Leu	Val	Ala 120	Thr	Pro	Gly	Lys	Lys 125	Gly	Ala	Ala
294 295	Ile	Pro 130	Ala	Lys	Gly	Ala	Lys 135	Asn	Gly	Lys	Asn	Ala 140	Lys	Lys	Glu	Asp
	Ser 145	Asp	Glu	Glu	Glu	Asp 150	Asp	Asp	Ser	Glu	Glu 155	Asp	Glu	Glu	Asp	Asp 160
300 301	Glu	Asp	Glu	Asp	Glu 165	Asp	Glu	Asp	Glu	Ile 170	Glu	Pro	Ala	Ala	Met 175	Lys
303 304	Ala	Ala	Ala	Ala 180	Ala	Pro	Ala	Ser	Glu 185	Asp	Glu	Asp	Asp	Glu 190	Asp	Asp
306 307	Glu	Asp	Asp 195	Glu	Asp	Asp	Asp	Asp 200	Asp	Glu	Glu	Asp	Asp 205	Ser	Glu	Glu
309 310	Glu	Ala 210	Met	Glu	Thr	Thr	Pro 215	Ala	Lys	Gly	Lys	Lys 220	Ala	Ala	Lys	Val
	Val 225	Pro	Val	Lys	Ala	Lys 230	Asn	Val	Ala	Glu	Asp 235	Glu	Asp	Glu	Glu	Glu 240
315 316	Asp	Asp	Glu	Asp	Glu 245	Asp	Asp	Asp	Asp	Asp 250	Glu	Asp	Asp	Gľu	Asp 255	Asp
318 319	Asp	Asp	Glu	Asp 260	Asp	Glu	Glu	Glu	Glu 265	Glu	Glu	Glu	Glu	Glu 270	Glu	Pro
322		_	275			_		280					285	Lys		
324 325	Ala	Ala 290	Pro	Glu	Ala	Lys	Lys 295	Gln	Lys	Val	Glu	Gly 300	Thr	Glu	Pro	Thr
	Thr 305	Ala	Phe	Asn	Leu	Phe 310	Val	Gly	Asn	Leu	Asn 315	Phe	Asn	Lys	Ser	Ala 320
331				_	325	_				330				Asn	335	
334				340					345					Gly 350		
337			355					360					365	Leu		
340		370			_		375					380		Lys		
343	385					390					395			Lys		400
345	Pro	Tyr	Lys	Val	Thr	Gln	Asp	Glu	Leu	Lys	Glu	Val	Phe	Glu	Asp	Ala

VERIFICATION SUMMARY

DATE: 12/17/2001

PATENT APPLICATION: US/09/825,886

TIME: 12:07:27

Input Set : N:\Crf3\RULE60\09825886.txt
Output Set: N:\CRF3\12172001\1825886.raw

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date L:260 M:258 W: Mandatory Feature missing, <221> not found for SEQ ID#:21 L:260 M:258 W: Mandatory Feature missing, <222> not found for SEQ ID#:21

L:260 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:21